

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,067,117 B1  
APPLICATION NO. : 09/150813  
DATED : June 27, 2006  
INVENTOR(S) : Grainger et al.

Page 1 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title page

On the face page, item (56), under "Foreign Patent Documents", in column 2, line 10, delete "WO 86/04334 7/1986". (Repeated Entry)

On the face page, item (56), under "Foreign Patent Documents", in column 2, line 15, delete "WO 92/04372 3/1992". (Repeated Entry)

On page 2, item (56), under "Foreign Patent Documents", in column 1, line 7, delete "WO 94/20512 9/1994". (Repeated Entry)

On page 2, item (56), under "Foreign Patent Documents", in column 1, line 23, delete "WO 97/24325 7/1997". (Repeated Entry)

On page 2, item (56), under "Foreign Patent Documents", in column 1, line 36, delete "WO 98/12324 3/1998". (Repeated Entry)

On page 2, item (56), under "Other Publications", in column 2, line 33, delete "Excape" and insert -- Escape --, therefor.

On page 3, item (56), under "Other Publications", in column 2, line 11, delete "Parmacology," and insert -- Pharmacology, --, therefor.

On page 3, item (56), under "Other Publications", in column 2, line 25, delete "Receptof" and insert -- Receptor --, therefor.

On page 4, item (56), under "Other Publications", in column 1, line 4, delete "Huamn" and insert -- Human --, therefor.

On page 4, item (56), under "Other Publications", in column 2, line 5, delete "Aveoli" and insert -- Alveoli --, therefor.

On page 4, item (56), under "Other Publications", in column 2, line 62, delete "Cyrstal" and insert -- Crystal --, therefor.

On page 5, item (56), under "Other Publications", in column 1, line 29, delete "Poetent," and insert -- Potent, --, therefor.

On page 5, item (56), under "Other Publications", in column 1, line 29, delete "Selecive" and insert -- Selective --, therefor.

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Page 2 of 8

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On Title page

On page 5, item (56), under "Other Publications", in column 1, line 46, delete "Eosinophila" and insert -- Eosinophilic --, therefor.

On page 5, item (56), under "Other Publications", in column 2, line 18, delete "Ris1" and insert -- Risk --, therefor.

On page 5, item (56), under "Other Publications", in column 2, line 53, delete "thereapy" and insert -- therapy --, therefor.

On page 6, item (56), under "Other Publications", in column 2, line 22, delete "Stratagies" and insert -- Strategies --, therefor.

On Sheet 3 of 23, in Fig. 3, delete "ACITITY" and insert -- ACTIVITY --, therefor.

On Sheet 8 of 23, in Fig. 9, delete "ARBITARY" and insert -- ARBITRARY --, therefor.

On Sheet 18 of 23, in Fig. 14F, line 16, after "2(1-15)" delete "[".

On Sheet 22 of 23, in Fig. 16C, delete "NORE" and insert -- NOTE --, therefor.

Column 3, line 2, delete "formula (I):" and insert -- formula (II): --, therefor.

Column 3, line 6, delete "V or 1," and insert -- V or I, --, therefor.

Column 3, line 11, delete "[[(X<sup>4</sup>)-(Z)-(X<sup>5</sup>)]<sub>a</sub>-[W-(X<sup>1</sup>)-(X<sup>6</sup>)]<sub>b</sub>]<sub>c</sub>" and insert -- [[(X<sup>4</sup>)-(Z)-(X<sup>5</sup>)]<sub>a</sub>-[W-(X<sup>1</sup>)-(X<sup>6</sup>)]<sub>b</sub>]<sub>c</sub> --, therefor.

Column 6, line 8, delete "NO: 99;" and insert -- NO: 99); --, therefor.

Column 6, line 9, delete "NO: 100;" and insert -- NO: 100); --, therefor.

Column 6, line 10, delete "NO: 102)" and insert -- NO: 102). --, therefor.

Column 6, line 14, delete "THP1" and insert -- THP-1 --, therefor.

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Page 3 of 8

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Column 6, line 59, delete "NO: 89," and insert -- NO: 89); --, therefor.

Column 7, line 24, delete "<sup>3</sup>(3-12)[MCP-1](SEQ ID NO: 27)." and insert -- 3(3-12)[MCP-1](SEQ ID NO: 27). --, therefor.

Column 7, line 32, delete "aompounds" and insert -- compounds --, therefor.

Column 7, line 62, delete "(C<sub>3</sub>C<sub>6</sub>)" and insert -- (C<sub>3</sub>-C<sub>6</sub>) --, therefor.

Column 7, line 63, delete "(C<sub>3</sub>-C<sub>6</sub>)alkyl," and insert -- (C<sub>1</sub>-C<sub>6</sub>)alkyl, --, therefor.

Column 8, line 7, delete "R<sub>g</sub>" and insert -- R<sup>g</sup> --, therefor.

Column 8, line 46, delete "(C<sub>3</sub>C<sub>6</sub>)" and insert -- (C<sub>3</sub>-C<sub>6</sub>) --, therefor.

Column 8, line 52, delete "(C<sub>3</sub>C<sub>6</sub>)" and insert -- (C<sub>3</sub>-C<sub>6</sub>) --, therefor.

Column 8, line 53, delete "(C<sub>3</sub>-C<sub>6</sub>)" and insert -- (C<sub>1</sub>-C<sub>6</sub>) --, therefor.

Column 8, line 65, delete "(C<sub>3</sub>C<sub>6</sub>)" and insert -- (C<sub>3</sub>-C<sub>6</sub>) --, therefor.

Column 9, line 10, delete "arboxymethyl," and insert -- carboxymethyl, --, therefor.

Column 9, line 61, delete "(C<sub>3</sub>C<sub>6</sub>)" and insert -- (C<sub>3</sub>-C<sub>6</sub>) --, therefor.

Column 10, line 2, delete "R<sub>r</sub>," and insert -- R<sub>r</sub> --, therefor.

Column 12, line 31, delete "atkyl," and insert -- alkyl, --, therefor.

Column 12, line 33, delete "R<sub>a</sub> and R<sup>b</sup>, or R<sub>c</sub> and R<sub>d</sub>," and insert -- R<sup>a</sup> and R<sup>b</sup>, or R<sup>c</sup> and R<sup>d</sup>, --, therefor.

Column 13, line 37, delete "N(R<sub>c</sub>)(R<sub>d</sub>)," and insert -- N(R<sup>c</sup>)(R<sup>d</sup>); --, therefor.

Column 13, line 41, delete "R<sub>c</sub>" and insert -- R<sup>c</sup> --, therefor.

Column 13, line 42, delete "R<sub>h</sub>" and insert -- R<sup>h</sup>. --, therefor.

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Page 4 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17, line 21, delete "(=," and insert -- (IV), --, therefor.

Column 17, line 23, delete "(XII)," and insert -- (IX), --, therefor.

Column 19, line 40, delete "GROa" and insert -- GROa --, therefor.

Column 19, line 55, delete "CK~~β~~08," and insert -- CK~~β~~8, --, therefor.

Column 19, line 58, delete "2," and insert -- 90, --, therefor.

Column 20, line 14, delete "PF4" and insert -- PF-4 --, therefor.

Column 20, line 37, delete "cne" and insert -- one --, therefor.

Column 20, line 49, delete "μL-8]," and insert -- 2[IL-8], --, therefor.

Column 21, line 51, delete "ther" and insert -- other --, therefor.

Column 23, line 65, delete "calorimetric" and insert -- colorimetric --, therefor.

Column 26, line 11, delete "R<sub>c</sub> and R<sub>d</sub>," and insert -- R<sup>c</sup> and R<sup>d</sup>, --, therefor.

Column 26, line 11, delete "nd" and insert -- and --, therefor.

Column 26, line 38, delete "rmula" and insert -- formula --, therefor.

Column 26, line 49, delete "herein" and insert -- wherein --, therefor.

Column 26, line 60, delete "(C<sub>3</sub>-C<sub>6</sub>)alkyl," and insert -- (C<sub>1</sub>-C<sub>6</sub>)alkyl, --, therefor.

Column 27, line 12, delete "ormula" and insert -- formula --, therefor.

Column 28, line 31, delete "14," and insert -- 14), --, therefor.

Column 30, line 17, delete "(Ghimikar" and insert -- (Ghirnikar --, therefor.

Column 30, line 30, delete "Rheum." and insert -- Rheum., --, therefor.

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Page 5 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 30, line 32, delete "Pathol." and insert -- Pathol., --, therefor.

Column 31, line 26, delete " $10^{4-106}$ " and insert --  $10^4-10^6$  --, therefor.

Column 31, line 50, delete "Chem." and insert -- Chem., --, therefor.

Column 32, line 36, delete "glucosamimidase" and insert -- glucosaminidase --, therefor.

Column 33, line 30, delete " $[Ca^{2+}]$ " and insert --  $[Ca^{2+}]_i$  --, therefor.

Column 36, line 38, delete "Ouant." and insert -- Quant. --, therefor.

Column 38, line 29, delete "ptimal" and insert -- optimal --, therefor.

Column 38, line 55, delete "Kienow" and insert -- Klenow --, therefor.

Column 39, line 48, delete "Laboratorv" and insert -- Laboratory --, therefor.

Column 39, line 56, delete "(SEQ ID:79)," and insert -- (SEQ ID NO:79), --, therefor.

Column 39, line 57, delete "(SEQ ID NO:77," and insert -- (SEQ ID NO:77), --, therefor.

Column 39, line 60, delete "(DEQ ID" and insert -- (SEQ ID --, therefor.

Column 40, line 42, delete " $ile_{11}$ " and insert --  $lle_{11}$  --, therefor.

Column 41, line 7, delete "(Mac-I antibodies)" and insert -- (Mac-1 antibodies) --, therefor.

Column 41, line 61, delete "5," and insert -- 265, --, therefor.

Column 41, line 66, delete "Nickoff et al." and insert -- Nickoff et al. --, therefor.

Column 42, line 3, delete "JCI," and insert -- (JCI, --, therefor.

Column 42, line 4, delete "(Allergy" and insert -- (Allergy, --, therefor.

Column 44, line 10, delete "wellcharacterized" and insert -- well-characterized --, therefor.

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Page 6 of 8

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 45, line 18, delete "Meth," and insert -- Meth. --, therefor.

Column 45, line 22, delete "anionexchange" and insert -- anion-exchange --, therefor.

Column 47, line 35, delete "CH<sub>2</sub>NH" and insert -- CH<sub>2</sub>NH --, therefor.

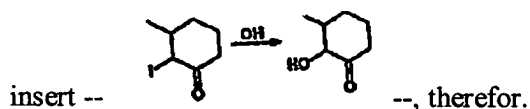
Column 47, line 37, delete "CoCH<sub>2</sub>" and insert -- COCH<sub>2</sub> --, therefor.

Column 47, line 52, delete "92:39405" and insert -- 97:39405 --, therefor.

Column 48, line 17, delete "Chem." and insert -- Chem., --, therefor.

Column 48, line 27, delete "(VI)," and insert -- (VI),. --, therefor.

Column 48, lines 41-50 (Structure VIIb), should read



Column 60, line 15, before "-A2" delete "41" and insert -- 4I --, therefor.

Column 61, line 1, before "of" insert -- ( --.

Column 61, line 3, delete "epetide" and insert -- peptide --, therefor.

Column 61, line 4, delete "ike." and insert -- like. --, therefor.

Column 62, line 14, delete "ntibody" and insert -- antibody --, therefor.

Column 62, line 16, delete "lycosylation" and insert -- glycosylation --, therefor.

Column 62, line 25, delete "KA" and insert -- K<sub>A</sub> --, therefor.

Column 65, line 34, delete "SDF-I" and insert -- SDF-1 --, therefor.

Column 65, line 65, delete "(Example 0.5," and insert -- (Example 5), --, therefor.

Column 67, line 50, delete "sclero" and insert -- sclerosis --, therefor.

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Page 7 of 8

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Column 67, line 52, delete "Ser<sub>7</sub>Glu<sub>9</sub>" and insert -- Ser<sub>7</sub>Glu<sub>8</sub>Glu<sub>9</sub> --, therefor.

Column 71, line 1, delete "14," and insert -- 145, --, therefor.

Column 80, line 1, delete "THP1" and insert -- THP-1 --, therefor.

Column 82, line 62, delete "MIP-1<sup>00</sup>" and insert -- MIP-1a --, therefor.

Column 86, line 55, delete "X<sub>4</sub>," and insert -- x<sub>4</sub> --, therefor.

Column 86, line 58, delete "X<sub>4</sub>" and insert -- x<sub>4</sub> --, therefor.

Column 86, line 60, delete "MIP1a," and insert -- MIP1a, --, therefor.

Column 86, line 65, after "binds" delete "MIPIa,".

Column 91, lines 46-47, delete "<sup>125</sup>I]-labeled" and insert -- <sup>125</sup>I-labeled --, therefor.

Column 93, line 3, delete "leu<sub>4</sub>" and insert -- Leu<sub>4</sub> --, therefor.

Column 95, line 57, delete "105)," and insert -- 105)), --, therefor.

Column 95, lines 59-60, after "SYRRITSSKSPKEAV" insert -- (SEQ ID NO:105) --.

Column 97, line 58, delete "NO: 3" and insert -- NO: 3) --, therefor.

Column 99, line 36, delete "(3H-D-ala" and insert -- (<sup>3</sup>H-D-ala --, therefor.

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Page 8 of 8

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Column 101, line 23, delete "Cys<sub>3</sub>" and insert -- Cys<sub>13</sub> --, therefor.

Column 103, line 57, delete "IL5" and insert -- IL-5 --, therefor.

Column 190, line 21, in Claim 11, delete "Tip" and insert -- Trp --, therefor.

Signed and Sealed this

Fifteenth Day of January, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*